

FIG. 1

FIG. 1A

barcode Tagging of DNA

METHOD:

1. Isolate DNA from a sample.
2. Dip sample DNA into a beaker filled with barcoded DNA probes.
3. Remove sample from beaker.
4. Read barcode which stuck to sample.
5. Determine original DNA sequence from multiple barcode readings.

FIG. 1B



60

50

60

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FIG. 2A

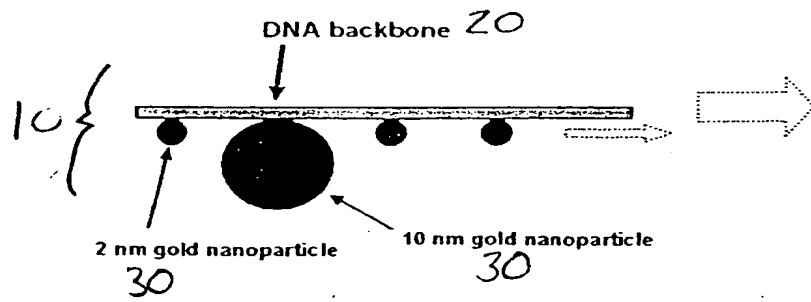


FIG. 2B

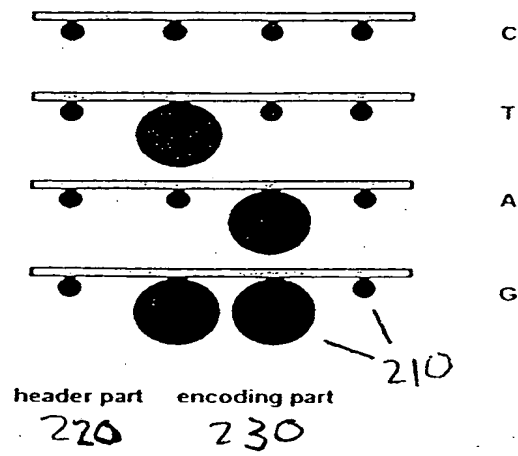


FIG. 2C

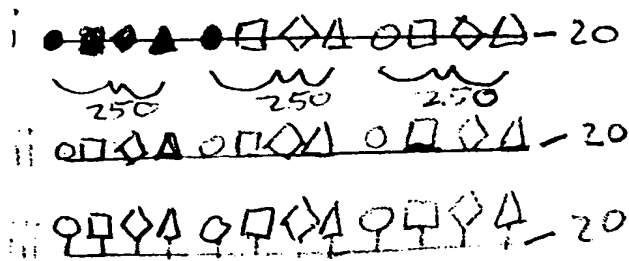
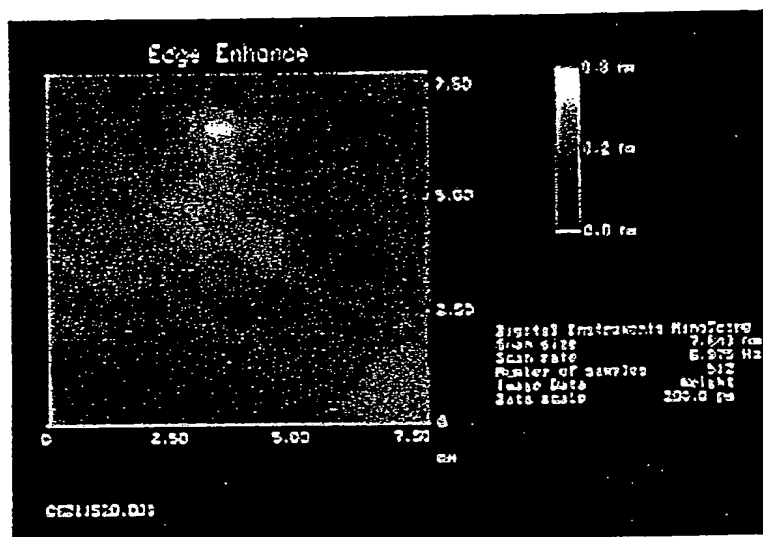


FIG. 3



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FIG. 4A

Figure 1. Example of barcode with molecular feature tags for reading frames and start/end marker

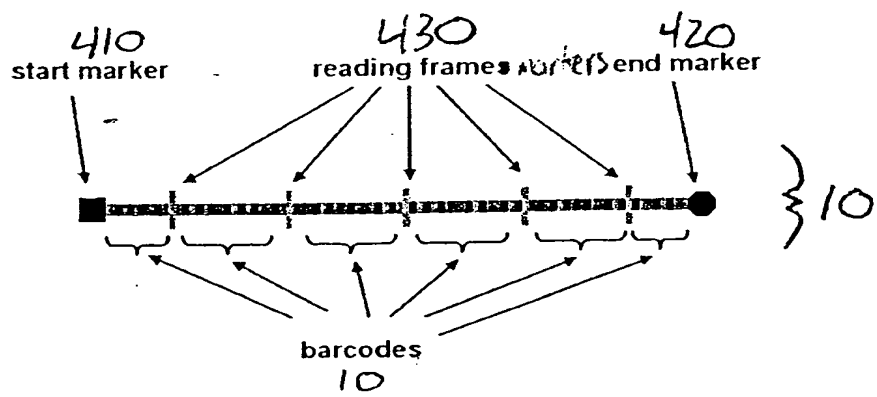


FIG. 4B

Figure 2. Example of barcode transformed into molecular feature tags for data compressions.

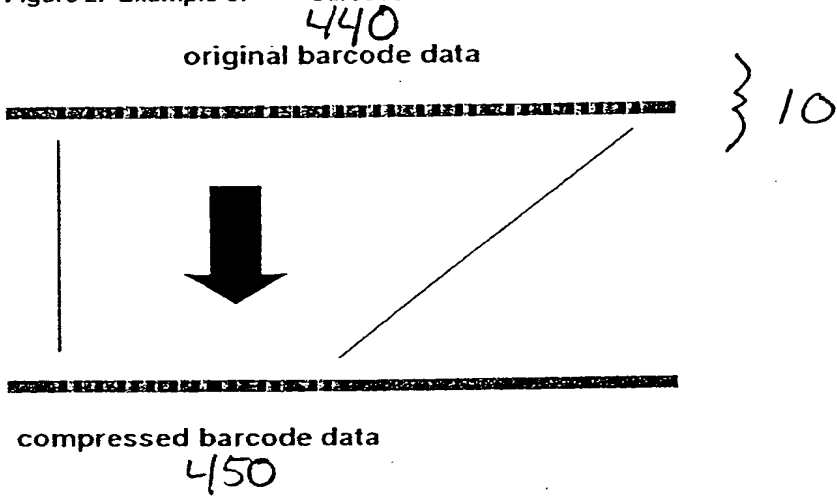


FIG. 4C

Figure 3. Example of barcode with molecular feature tags for check sum.

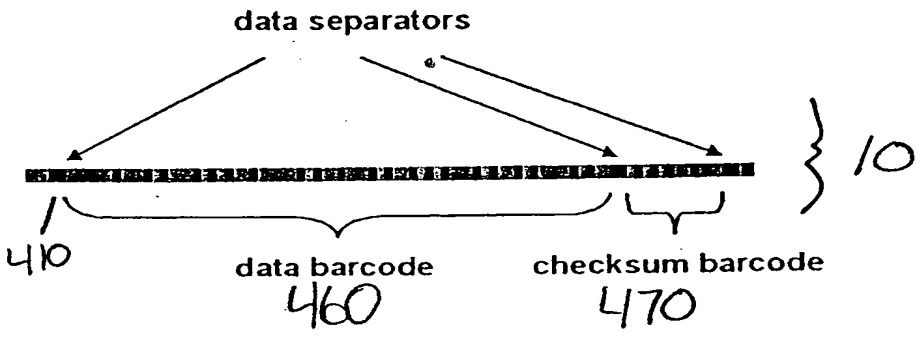


FIG. 5

